Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/22/2022 09:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124894	-1	0.98	124801	0.94
Blue	F	SSC	125000	123331	-2	2.17	123775	2.04
Blue	E	FITC	13602	13165	-4	2.07	370	13.32
Blue	D	PE	24891	24489	-2	1.45	584	10.28
Blue	B	PerCP-Cy5-5	33972	33306	-2	2.79	950	14.44
Blue	A	PE-Cy7	22865	22750	-1	4.63	475	31.09
Red	C	APC	47198	46860	-1	2.58	1619	11.37
Red	A	APC-Cy7	26454	25579	-4	2.94	721	12.25
Violet	B	V450	6737	6509	-4	3.27	451	11.32
Violet	A	V500	29317	28193	-4	2.79	963	8.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24144	2.14	561	26	N/A	N/A	Pass
Blue	F	SSC	55547	1.67	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	485	1	0.0440	102	Pass
Blue	D	PE	114	37.53	488	2	0.4030	276	Pass
Blue	B	PerCP-Cy5-5	151	42.36	582	3	0.0220	166	Pass
Blue	A	PE-Cy7	79	78.17	625	4	0.0209	0	Pass
Red	C	APC	340	25.42	574	2	0.0286	171	Pass
Red	A	APC-Cy7	136	34.42	551	0	0.0064	1310	Pass
Violet	B	V450	77	48.71	446	-4	0.0669	3154	Pass
Violet	A	V500	114	37.42	465	-4	0.0257	2110	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.64	-31.37	1.11
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.58	13.90 - 20.86	N/A	N/A	29.82	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 11816

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments